

Oxford COVID-19 Government Response Tracker

What's Changed?

24 April 2020

At the end of April 2020 OxCGRT has carried out a major expansion and refinement of the indicators we collect. This document details what has changed for the individual indicators as well as the Stringency Index.

Summary of indicators and changes	1
Detailed description of indicators and changes	2
Stringency Index	7

Summary of indicators and changes

- Closures and Containment
 - C1 – school closing (prev S1) -amended coding
 - C2 – workplace closing (prev S2) - amended coding
 - C3 – cancel public events (prev S3) – recoded
 - C4 – restrictions on gathering size - new
 - C5 – close public transport (prev S4) - amended coding
 - C6 – “shelter-in-place” and home confinement orders - new
 - C7 – restrictions on internal movement (prev S6)
 - C8 – restrictions on international travel (prev S7) – amended coding
- Economic response
 - E1 – income support – new
 - E2 – debt/contract relief for households – new
 - E3 – fiscal measures (prev S8)
 - E4 – monetary measures (prev S9)
 - E4 – giving international support – new
- Public health / health system
 - H1 – public information campaign (prev S5) – amended coding
 - H2 – testing policy (prev S12)
 - H3 – contact tracing (prev S13)
 - H4 – emergency investment in healthcare (prev S10)
 - H5 – investment in Covid-19 vaccines (prev S11)
- Miscellaneous
 - M1 – Other responses - new

Detailed description of indicators and changes

Text in red denotes changes.

Old ID	Name	Old coding	New ID	New coding
S1	School closing	0 - No measures 1 - recommend closing 2 - Require closing No data - blank 0 - Targeted 1- General No data - blank	C1	0 - No measures 1 - recommend closing 2 - Require closing (only some levels or categories, eg just high school, or just public schools) 3 - Require closing all levels No data - blank 0 - Targeted 1- General No data - blank
S2	Workplace closing	0 - No measures 1 - recommend closing 2 require closing No data - blank 0 - Targeted 1- General No data - blank	C2	0 - No measures 1 - recommend closing (or work from home) 2 - require closing (or work from home) for some sectors or categories of workers 3 - require closing (or work from home) all-but-essential workplaces (eg grocery stores, doctors) No data - blank 0 - Targeted 1- General No data - blank
S3	Cancel public events	0- No measures 1 - Recommend cancelling 2 - Require cancelling	C3	0- No measures 1 - Recommend cancelling 2 - Require cancelling

		No data - blank 0 - Targeted 1- General No data - blank		No data - blank 0 - Targeted 1- General No data - blank
	Restrictions on gatherings		C4	0 - No restrictions 1 - Restrictions on very large gatherings (the limit is above 1000 people) 2 - Restrictions on gatherings between 100-1000 people 3 - Restrictions on gatherings between 10-100 people 4 - Restrictions on gatherings of less than 10 people No data - blank 0 - Targeted 1 - General No data - blank
S4	Close public transport	0 - No measures 1 - Recommend closing 2 - Require closing No data - blank 0 - Targeted 1- General No data - blank	C5	0 - No measures 1 - Recommend closing (or significantly reduce volume/route/means of transport available) 2 - Require closing (or prohibit most citizens from using it) 0 - Targeted 1- General No data - blank
S5	Public info campaigns	0 -No COVID-19 public information campaign 1 - COVID-19 public information campaign No data - blank	H1	0 -No COVID-19 public information campaign 1 - public officials urging caution about COVID-19

		0 - Targeted 1- General No data - blank	2 - coordinated public information campaign (e.g. across traditional and social media) No data - blank 0 - Targeted 1- General No data - blank
	Stay at home		C6 0 - No measures 1 - recommend not leaving house 2 - require not leaving house with exceptions for daily exercise, grocery shopping, and 'essential' trips 3 - Require not leaving house with minimal exceptions (e.g. allowed to leave only once every few days, or only one person can leave at a time, etc.) No data - blank 0 - Targeted 1- General No data – blank
S6	Restrictions on internal movement	0 - No measures 1 - recommend movement restriction 2 - restrict movement No data - blank 0 - Targeted 1- General No data - blank	C7 0 - No measures 1 - Recommend closing (or significantly reduce volume/route/means of transport) 2 - Require closing (or prohibit most people from using it) 0 - Targeted 1- General No data - blank

S7	International travel controls	0 - No measures 1 - Screening 2 - Quarantine arrivals from high-risk regions 3 - Ban on high-risk regions No data - blank	C8	0 - No measures 1 - Screening 2 - Quarantine arrivals from high-risk regions 3 - Ban on high-risk regions 4 - Total border closure No data - blank
S8	Fiscal measures	Record monetary value USD of fiscal stimuli, including spending or tax cuts NOT included in S10 (see below) -If none, enter 0 No data - blank Please use the exchange rate of the date you are coding, not the current date. Exchange rate info here .	E3	Unchanged
S9	Monetary measures	Value of interest rate		Drop
S10	Emergency investment in health care	-Record monetary value in USD of new short-term spending on health -If none, enter 0 No data - blank Please use the exchange rate of the date you are coding, not the current date. Exchange rate info here .	H4	Unchanged
S11	Investment in vaccines	Record monetary value announced if additional to previously announced spending -If none, enter 0	H5	Unchanged

		<p>No data - blank</p> <p>Please use the exchange rate of the date you are coding, not the current date. Exchange rate info here.</p>		
S12	Testing policy	<p>0 – No testing policy</p> <p>1 – Only those who both (a) have symptoms AND (b) meet specific criteria (eg key workers, admitted to hospital, came into contact with a known case, returned from overseas)</p> <p>2 – testing of anyone showing COVID-19 symptoms</p> <p>3 – open public testing (eg “drive through” testing available to asymptomatic people)</p> <p>No data</p> <p>Nb we are looking for policies about testing for having an infection (PCR tests) - not for policies about testing for immunity (antibody tests).</p>	H2	Unchanged
S13	Contact tracing	<p>0 - No contact tracing</p> <p>1 - Limited contact tracing - not done for all cases</p> <p>2 - Comprehensive contact tracing - done for all cases</p> <p>No data</p>	H3	Unchanged

Stringency Index

Given these new indicators, we have revised our calculation of the stringency index as follows:

- There are now 9 contributing indicators, not 7
- We have standardized the additional “contribution” of a policy that applies in general way.

This formulation creates as close an approximation as possible to the former stringency index using the new indicators.

Former Stringency Index	$(S1+T/G)+(S2+T/G)+(S3+T/G)+(S4+T/G)$ $+(S5+T/G)+(S6+T/G)+(S7)$ Rescale each indicator 0-100 Take mean
New Stringency Index (Legacy version)	$(C1+wT/G)+(C2+wT/G)+(C3+wT/G)+(C4+wT/G)$ $+(C5+wT/G)+(C6+wT/G)+(C7+wT/G)+(C8)+(H1+wT/G)$ Rescale each indicator 0-100 Take mean